DataKitchen

DATAVERSITY
Demo Day
Data Quality

TestGen and Observability

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#1 Problem In Data & Analytics: **Waste**

Wasted Time, Energy & Trust

60% of projects **fail**

– Gartner

79% have too many **errors**

– Eckerson

73% of data practitioners do not **trust** the their data *– IDC*

78% of data teams are **stressed** & want therapy

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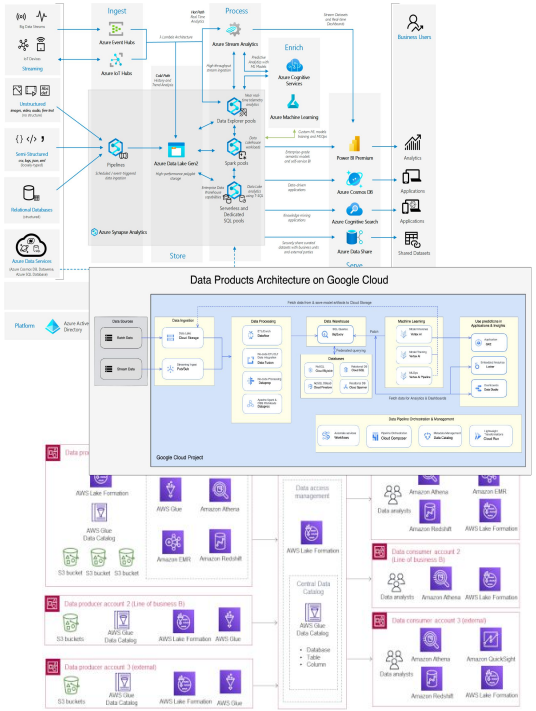
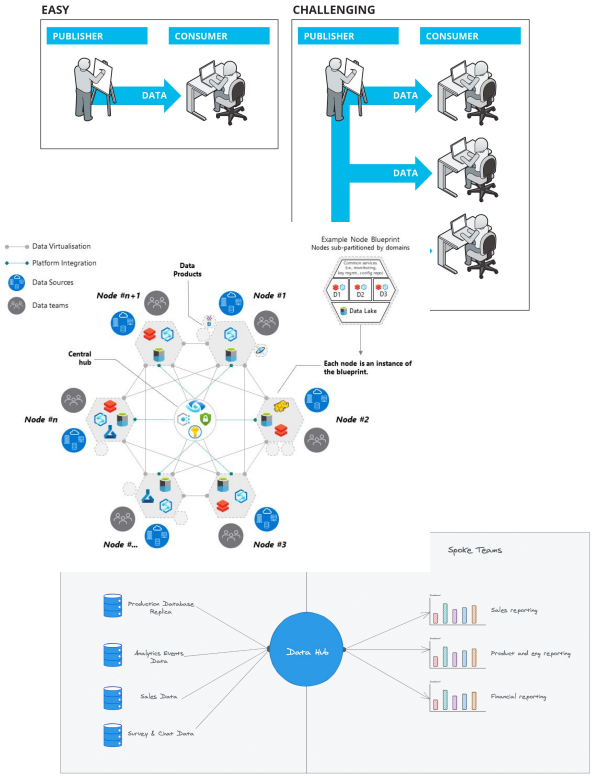
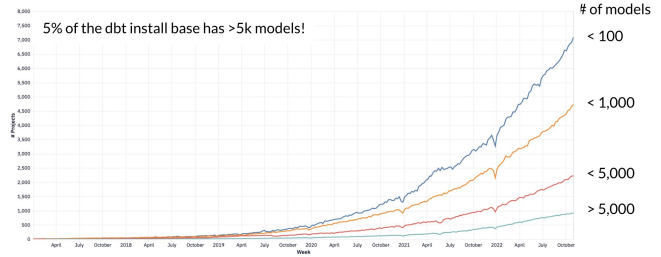
#2 Problem: **Little Boxes Everywhere**

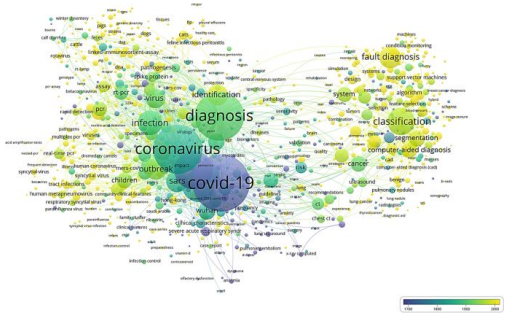
Data Stack Sprawl, Organizational Silos, Data Set Exploding

Data Architecture Boxes	Team Organizational Boxes	Diverse Data Boxes









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Why Waste, Failure, & Poor Results?

Poor Data Quality ⇨

Complex & Fragile Toolchain ⇨

⇦ **Too Much To Do**

⇦ **Customer Visible Errors**

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Why Waste, Failure, & Poor Results?

Poor Data Quality ⇨

Complex & Fragile Toolchain ⇨

Day 1 Focus:
Immediate Tasks & Building With Individual Tools

⇦ **Too Much To Do**

⇦ **Customer Visible Errors**

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How To Stop Waste, Failure, & Poor Results?

Day 2 Focus:
DataOps: Optimize The System Of People, Tools, Data, Work Process And Deliverables

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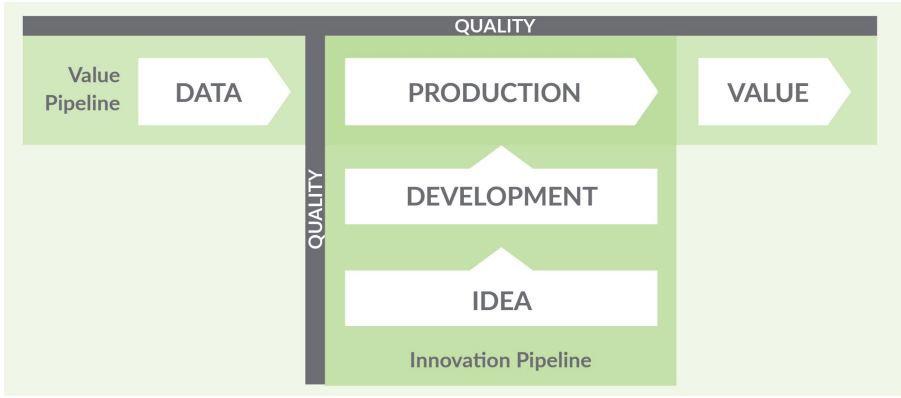
The Answer Is DataOps

*" teams guided by DataOps practices and tools will be **ten times more productive** than teams that do not use DataOps. " – **Gartner***

Increase Quality & Decrease Production Errors



Increase Development Cycle Time

Result

Less Waste

10x Team Productivity Improvement

Improved Trust

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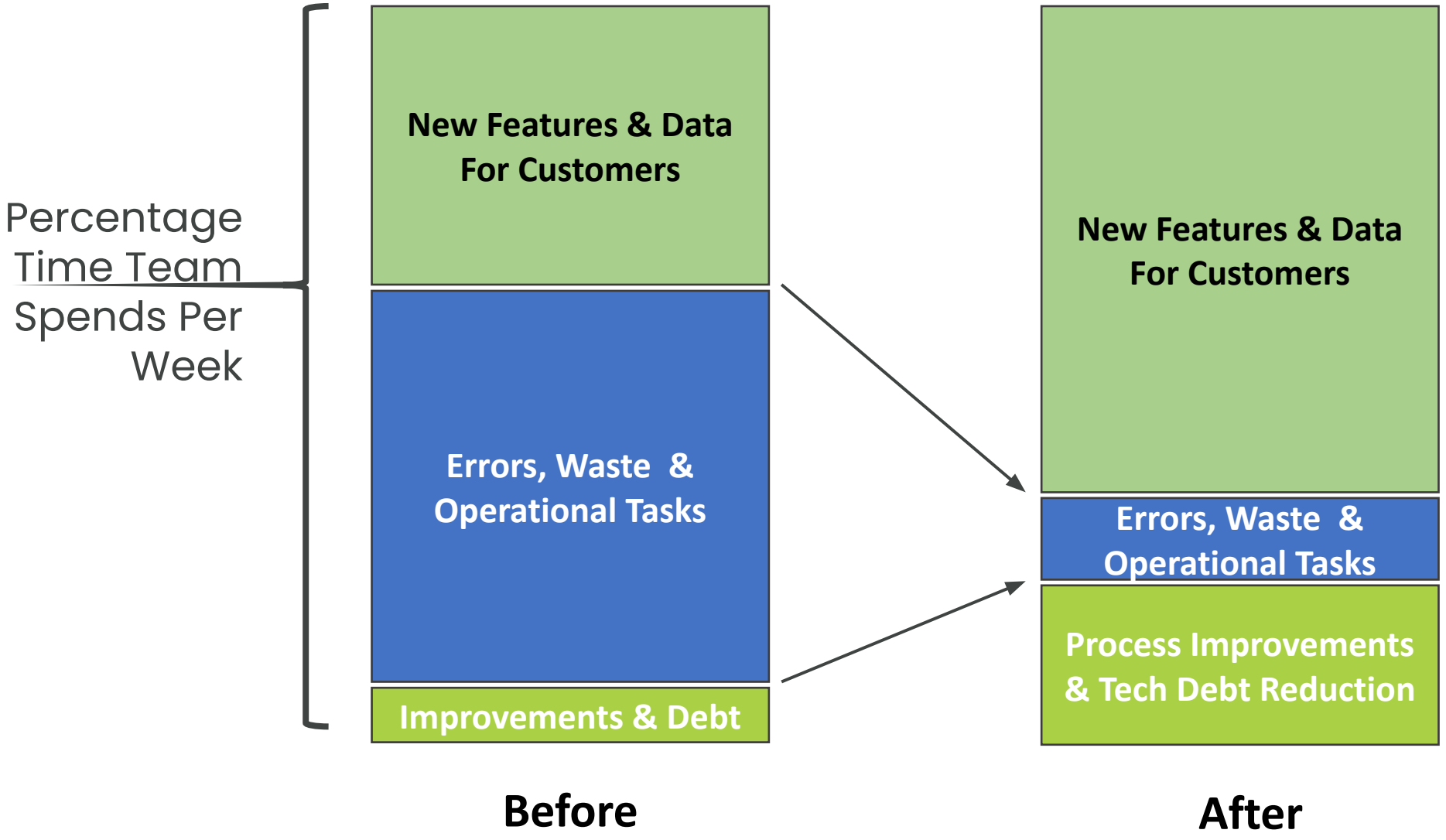
DataOps Benefit: Time Well Spent



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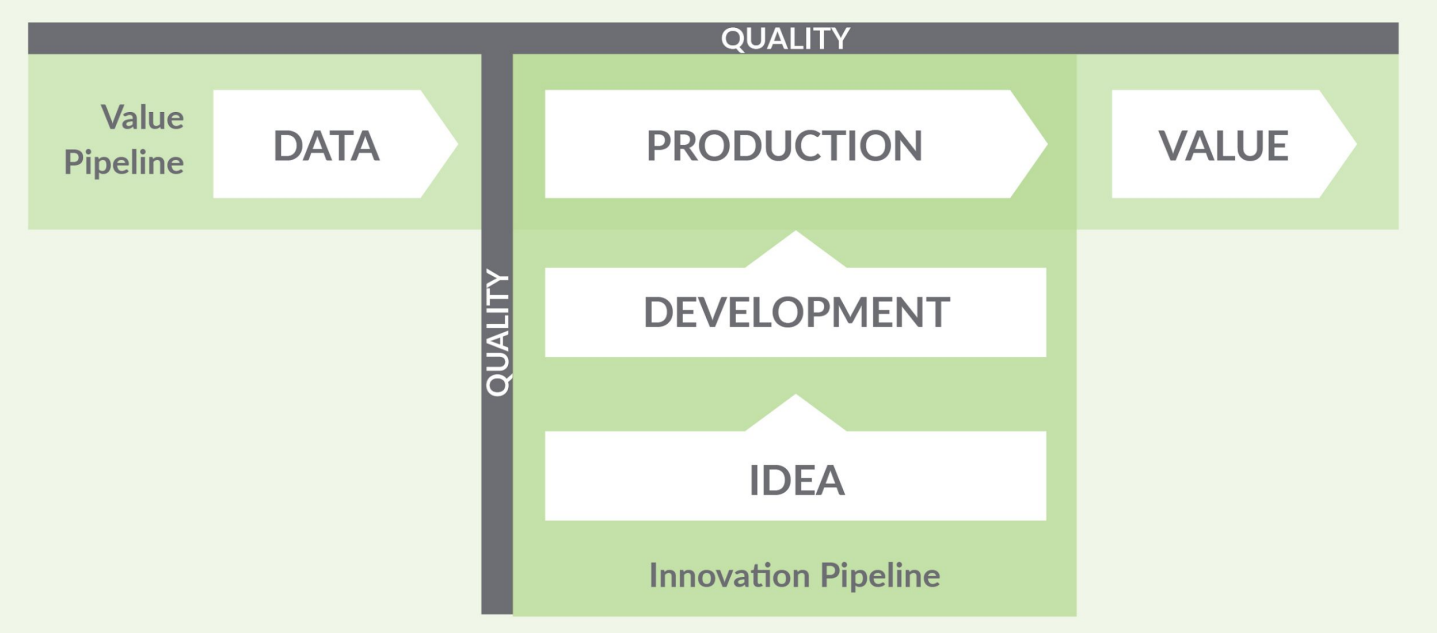
Where To Start DataOps

1. **Improve Data Quality**

2. **Stop Production Errors**

3. **Automate For Faster, Safer Deployment**



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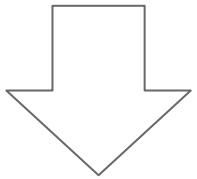
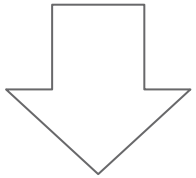
Where To Start DataOps

1. **Improve Data Quality**



2. **Stop Production Errors**



3. **Automate For Faster, Safer Deployment**

Open Source Data Observability

DataOps Data Quality TestGen
Simple, Fast Data Quality Test Generation and Execution

Generative Data Quality

DataOps Observability
Data Journey Mission Control From Data Source To Customer Value

Anticipate, Track Production Errors Across the Whole Data Estate

DataOps Automation
Orchestrate, Manage And Test Your Complex Data Toolchain

Reduce Data Team Cycle Time & Increase Productivity

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Demo

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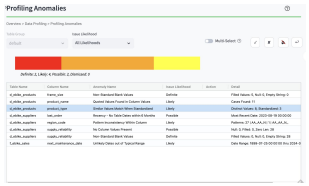
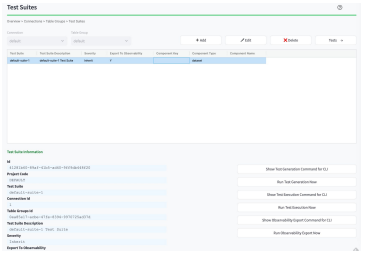
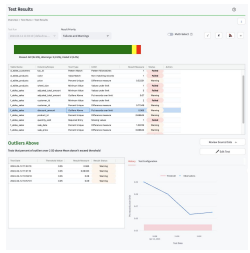
Open Source DataOps TestGen Workflow







Data Owners, Data Engineers

Profile Tables

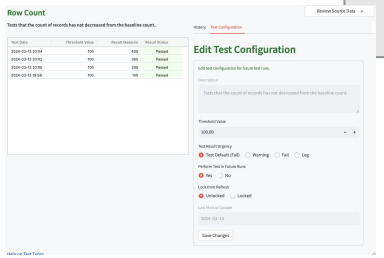
Screen for Data Hygiene “Gotcha”

Generate Data Quality (DQ) Tests

Share DQ Issues Details

Source Data Updates

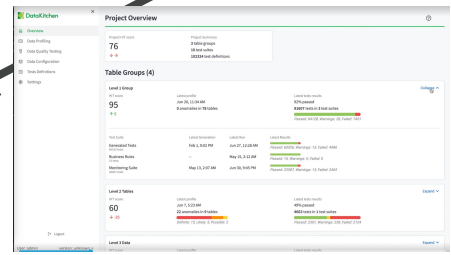
Review and Refine DQ Testing



Data Quality Person

Execute DQ Tests on Schedule

Generate Data Quality Scores



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Summary

1. **Improve Data Quality**

DataOps Data Quality TestGen

2. **Stop Production Errors**

DataOps Observability

3. **Enjoy your extra time**

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Learn More About DataOps & Data Observability

Download Open Source TestGen

https://info.datakitchen.io/install-dataops-data-quality-testgen-today

Sign The DataOps Manifesto

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Free DataOps Cookbook

https://datakitchen.io/the-dataops-cookbook/

Free DataOps Certification

https://info.datakitchen.io/training-certification-dataops-fundamentals

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